METHOD, SYSTEM, AND PROGRAM FOR MANAGING INPUT/OUTPUT (I/O)
PERFORMANCE BETWEEN HOST SYSTEMS AND STORAGE VOLUMES
Inventors: D. D. Chambliss et al.; Docket No. \$J0920030006US1
Sheet 1/13

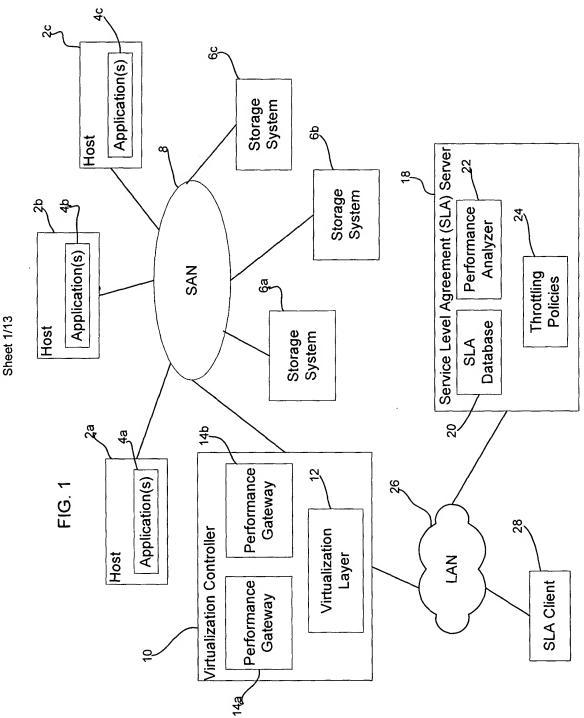
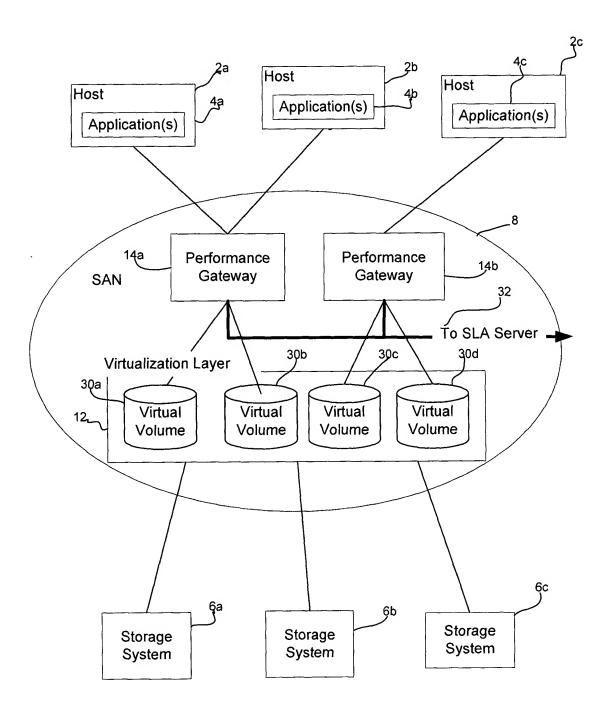
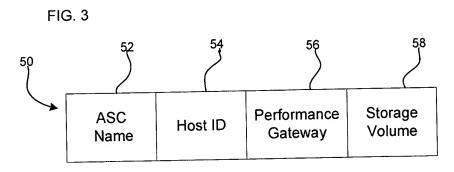
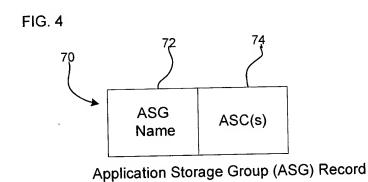


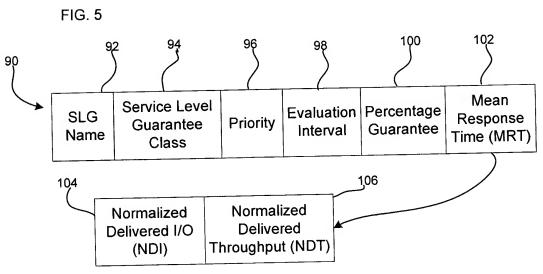
FIG. 2





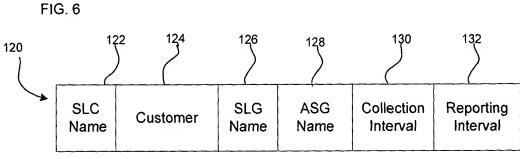
Application Storage Connection (ASC) Record





Service Level Guarantee (SLG) Record

## METHOD, STEEM, AND PROGRAM FOR MANAGING INITIOUTPUT (I/O) PERFORMANCE BETWEEN HOST SYSTEMS AND STORAGE VOLUMES Inventors: D. D. Chambliss et al.; Docket No. SJO920030006US1 Sheet 4/13





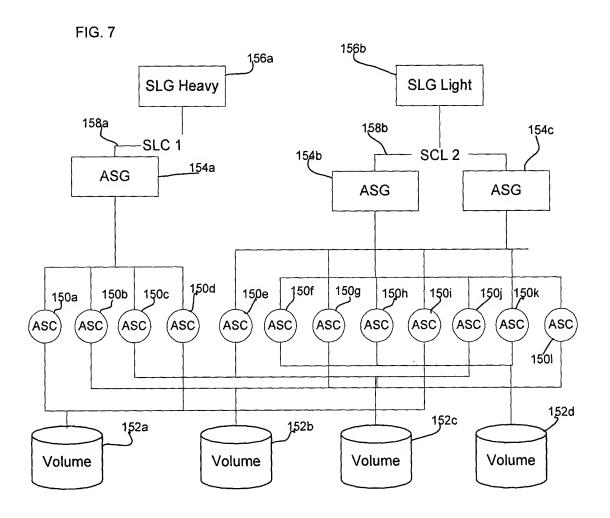
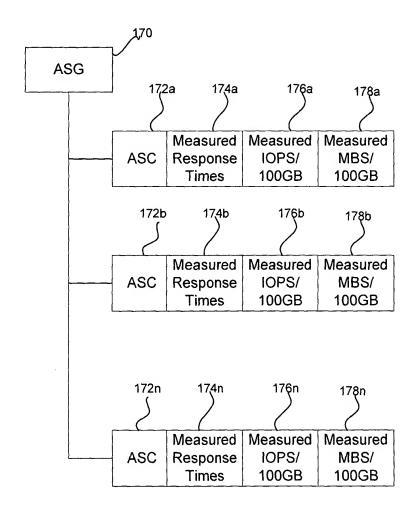
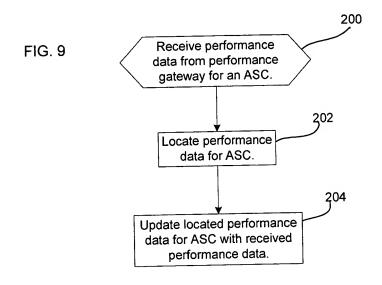
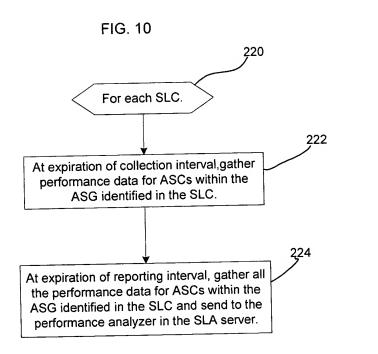


FIG. 8







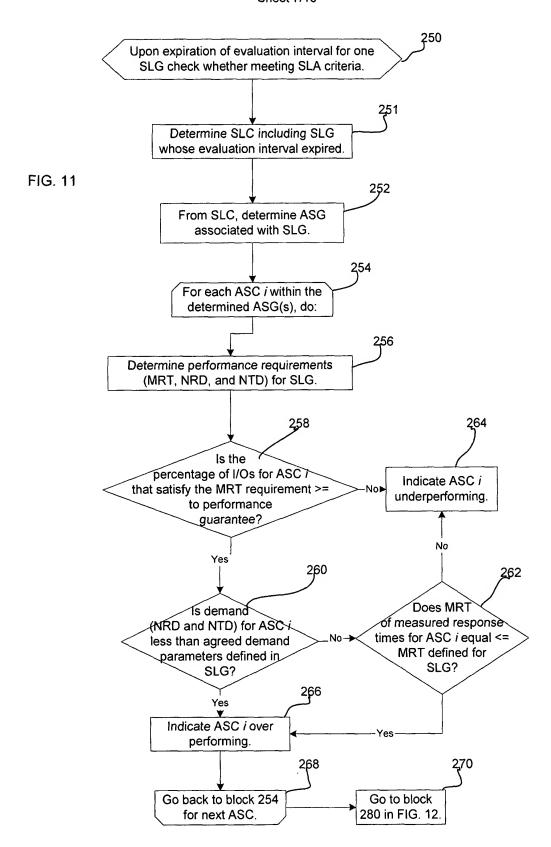


FIG. 12

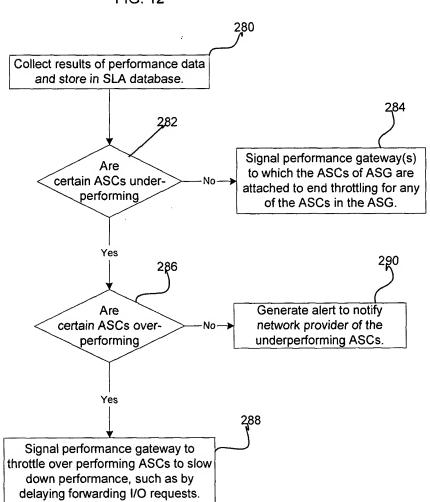


FIG. 13

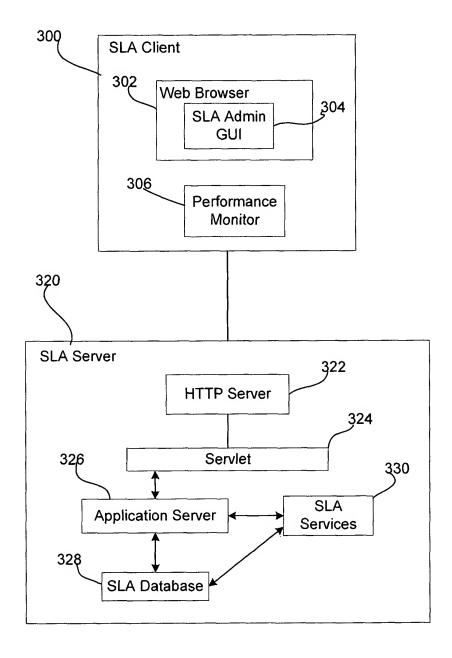


FIG. 14a

```
<?xml version="1.0" ?>
<ASG ASG Name="ASG_1">
 <ASC ASC_Name="ASC_1">
      <AppHost WWN="80" />
      <GatewayPort PortName="88" />
      <LogicDiskUnit PortableName="LU1">
        <CLUSTER_ID>1</CLUSTER_ID>
       <HLUN_ID>11</HLUN_ID>
    </LogicDiskUnit>
 </ASC>
   <ASC ASC_ Name="ASC_2">
       <AppHost WWN="81"/>
       <GatewayPort PortName="88" />
      <LogicDiskUnit PortableName="LU2">
       <CLUSTER ID>2</CLUSTER ID>
       <hLUN_ID>22</hLUN_ID>
    </LogicDiskUnit>
 </ASC>
   <ASC ASC Name="ASC_3">
      <AppHost WWN="82"/>
      <GatewayPort PortName="88" />
      <LogicDiskUnit PortableName="LU3">
        <CLUSTER_ID>3</CLUSTER_ID>
       <HLUN_ID>33</HLUN_ID>
    </LogicDiskUnit>
 </ASC>
  <ASC ASC_Name="ASC_4">
     <AppHost WWN="83" />
     <GatewayPort PortName="88" />
     <LogicDiskUnit PortableName="LU4">
       <ČLUSTER_ID>4</CLUSTER_ID>
       <HLUN ID>44/HLUN ID>
   </LogicDiskUnit>
 </ASC>
</ASG>
```

FIG. 14b

```
<?xml version="1.0" ?>
- <SLC>
   <SLC_Name>SLC_1</SLC_Name>
   <Author>John Smith</Author>
   <CustomerCode Major="ABC" Minor="123" />
   <SLG_Name>SLG_1</SLG_Name>
   <ASG_Name>ASG_1</ASG_Name>
   <ASG_Name>ASG_2</ASG_Name>
   <ASG_Name>ASG_3</ASG_Name>
   <ThrottlingPercentage>
 - <RetentionPeriod>
    <Interval Value="24" Unit="hour" />
   </RetentionPeriod>
 - <Reporting>
    <Interval Value="60" Unit="sec" />
   </Reporting>
 </SLC>
```

## FIG. 14c

FIG. 15

